



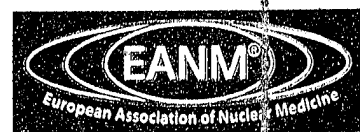
Serbian Society  
of Nuclear Medicine



Republic of Serbia  
MINISTRY OF HEALTH



Serbian Medical Society



European Association  
of Nuclear Medicine

# *2nd Balkan Congress of Nuclear Medicine*

*& Serbian Congress  
of Nuclear Medicine 2013*

## **Abstract Book**



*"Zira" Hotel, Belgrade  
May 8-12, 2013*



## SCIENTIFIC PROGRAMME

### WEDNESDAY, 03 May, 2011

07<sup>00</sup>-18<sup>30</sup> Registration

08<sup>30</sup>-19<sup>30</sup> Opening Ceremony

Chairpersons: *Vladimir Obradović,*  
*Dragana Šojić Šaranović, Vera Artiko*

Vladimir Obradović  
WELCOME MESSAGE

National Authorities

EANM Authorities

Artistic Programme

L.v.Beethoven: "Ode to Joy"  
afr. A.Randević: "Beautiful Maria of my Soul"  
S.S.Mokranjac: The 2nd Song Wreath  
(Folk Songs)

Choir: "Equilibrium"

Conductor: *Olga Milićević*

J.B. Breval: Duet No.3, Presto

M. McLean; Tango

*Mirjana Nešković-violin*

*Natalija Delević- cello*

19<sup>30</sup>-20<sup>00</sup> Plenary Lecture

Arturo Chiti  
THE FUTURE OF HYBRID IMAGING

20<sup>00</sup>-21<sup>00</sup> Welcome Reception

### THURSDAY, May 05, 2011

07<sup>00</sup>-12<sup>00</sup> Registration

08<sup>00</sup>-09<sup>00</sup> Session 1 (Invited Lectures)

Chairpersons: *Omer Ugur, Slobodan Ilić*

08<sup>00</sup>-08<sup>30</sup> Alan Waxman  
MOLECULAR IMAGING OF THE BRAIN

08<sup>30</sup>-09<sup>00</sup> Andreas Fotopoulos  
THE ROLE OF SPECT IN BRAIN TUMOR IMAGING

09<sup>00</sup>-09<sup>30</sup> Seyfettin Ilgan  
HEAD AND NECK CARCINOMAS

09<sup>30</sup>-10<sup>00</sup> Coffee Break/Commercial Presentations 15 min  
GE Healthcare booth ("GE Healthcare"),  
GE Healthcare PET/CT New Solutions as  
Assessment of Oncology Treatment Efficacy

10<sup>00</sup>-11<sup>00</sup> Session 2 (Invited Lectures)

Chairpersons: *Elma Kučukalić-Selimović, Jasna Mihailović*

10<sup>00</sup>-10<sup>30</sup> Sergej Hojker  
PET/CT IN THYROID CARCINOMA

10<sup>30</sup>-11<sup>00</sup> Omer Ugur  
PARATHYROID (IMAGING AND INTRAOPERATIVE  
DETECTION)

11<sup>00</sup>-11<sup>30</sup> Arturo Chiti  
PET/CT IN RADIOTHERAPY PLANNING

11<sup>30</sup>-12<sup>00</sup> Commercial Presentations 30 min  
Pioneer  
"Quantitative Imaging for Medical  
Immunotherapy" - Andrew Chinnaiwaki

12<sup>00</sup>-13<sup>00</sup> Lunch

PP29 Sabo Lj., Lakić M., Savić A., Ristić S., Vranješ-  
Đurić S., Nikolić N., Mirković M., Stanković D.,  
Obradović V., Janković D., Sabo T.J.  
SYNTHESIS, CHARACTERIZATION AND LABELING WITH  
 $^{99m}\text{Tc}$ (I) OF ETHYLENE DIAMINE-N,N'-DI-3-  
PROPANOATE DIETHYL ESTER AS POTENTIAL  
RADIOPHARMACEUTICAL AGENT

15<sup>30</sup>-15<sup>40</sup> Fidl  
U, R  
MUC  
IRRE

PP30 Smilkov K., Gorgieva D., Janevik E.  
Lu-177 LABELLED RITUXIMAB - NEW APPROACH TO  
HAVE SUITABLE RADIOPHARMACEUTICAL

15<sup>40</sup>-15<sup>50</sup> Rajic  
M., I  
ASSE  
 $^{99m}\text{Tc}$   
IN PR

PP31 Zdraveska Kochovska M., Vaskova O., Janevik  
Ivanovska E.  
CHALLENGES OF IMPLEMENTATION OF CYCLOTRON  
AND PET/CT UNIT

15<sup>50</sup>-16<sup>00</sup> Beat  
Pipe  
THE I  
PACK  
SCINT  
OBST  
STANI

15<sup>00</sup>-16<sup>00</sup> Session 3 (Oral Presentations)

Chairpersons: Vasilis Prassopoulos, Milena Rajic,  
Branislav Baškot

16<sup>00</sup>-16<sup>10</sup> Puca  
THE R  
DIME  
SCINT  
HYDR

15<sup>00</sup>-15<sup>10</sup> Janevik E., Gorgieva D., Smilkov K.  
THE IMPORTANT CLINICAL AND PHARMACEUTICAL  
ASPECTS OF RADIOPHARMACEUTICAL USAGE

16<sup>10</sup>-16<sup>20</sup> Jakov  
Cnol  
Dujm  
Tc-99r  
IN ACL  
RENAL

15<sup>10</sup>-15<sup>20</sup> Katsikis A., Theodorakos A., Tsapaki V.,  
Kouzoumi A., Kollaros N., Kitziri E., Kitziri S.,  
Voudris V., Pavlides G., Koutelou M.  
PROGNOSTIC VALUE OF MYOCARDIAL PERFUSION  
IMAGING WITH TREADMILL EXERCISE STRESS IN  
OCTOGENARIANS WITH PREVIOUS  
REVASCULARIZATION PROCEDURES

16<sup>20</sup>-16<sup>30</sup> Todor  
Šaran  
PATOP  
THRO  
INVEST  
LABELI

15<sup>20</sup>-15<sup>30</sup> Stević M., Vlajković M., Koraćević G., Kocić  
R., Rajić M., Kojić M., Mišić I., Ilić S.  
MYOCARDIAL PERFUSION SCINTIGRAPHY IN  
DETECTION OF MYOCARDIAL ISCHEMIA AND  
THERAPY PLANNING IN EARLY STAGES OF DIABETES  
MELLITUS

16<sup>30</sup>-16<sup>40</sup> Korać

## THE IMPORTANT CLINICAL AND PHARMACEUTICAL ASPECTS OF RADIOPHARMACEUTICAL USAGE

Janevik E, Gorgieva D, Smilkov K

Faculty of Medical Sciences University Goce Delcev, Stip, MACEDONIA, The Former Yugoslav Republic of

The aim of this paper is to devote the development of new radiopharmaceuticals for nuclear medicine application and methods of quality assurance stressing the pharmaceutical aspects.

Preparation, distribution, storage and use of radiopharmaceuticals involves a number of pharmaceuticals and radiation protection problemsemphasized by the rapidly increasing use of this type of drug relevant for the patient, for the staff and for the environment.

To study the pharmaceutical aspects of radiopharmaceuticals is important to show the possible conflict between radiation protection and pharmaceutical viewpoints.

Establishment of the clear specific character of radiopharmaceuticals as a pharmaceuticals is important to assume the responsibility that all radiopharmaceuticals have satisfactory quality, e.g. by purchasing, controlling and distributing radioactive drug, suitable preparation with the low toxicity and high efficiency, free from radiochemical impurities, chemical, pharmaceutical and biological.

The emphasis is given to the rules governing the manufacture of radiopharmaceuticals and the importance of specifications given by the pharmacopoeia, which are obligatory.

Radiopharmaceutical's monographs describe the pharmaceuticals particulars of each radioisotope as well as relevant information on its clinical application, concerning the pharmaceutical dosage, contraindications and interference with other pharmaceuticals, quality control, pharmacokinetic data, radiation dose and valuable reference, including recommendations for storage and criteria of stability.

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а) Нуклеарна медицина - Апстракти

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1. The first part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.